

20000717.ba v02_n949.bam.20000717

>From ???@??? Mon Jul 17 17:46:26 2000 -0500
Message-Id: <200007172243.e6HMhbD02861@sco.theporch.com>
Date: Mon, 17 Jul 2000 17:43:12 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 2949

BOATANCHORS Digest 2949

Topics covered in this issue include:

- 1) Re: Looking for NOS paper caps
by Arden Allen <gumbear@pacbell.net>
- 2) Antenna Juice?
by Al Klase <skywaves@bw.webex.net>
- 3) Re: Antenna Juice?
by Gary Woods <gwoods@albany.net>
- 4) FS -- R390 modules & tubes
by plmills@attglobal.net
- 5) RE: Antenna Juice?
by "Ed Sieb" <sieb@sympatico.ca>
- 6) Re: Antenna Juice?
by thompson@mindspring.com
- 7) WTD: Johnson Maroon Paint
by "Richard W. Solomon" <w1kszt@tiac.net>
- 8) Antenna Juice
by =?iso-8859-1?Q?Andr=E9_Guibert?= <aguibert@sympatico.ca>
- 9) RE: Johnson Maroon Paint
by "Ed Sieb" <sieb@sympatico.ca>
- 10) WHY JUICE A ANTENNA???
by billandr@aztec.asu.edu (BILL ANDREWS)
- 11) Re: Looking for NOS paper caps
by WA1KBQ@aol.com
- 12) Re: S-40-A
by "russ dworakowski" <wb3fau@hotmail.com>
- 13) Re: Antenna Juice?
by "russ dworakowski" <wb3fau@hotmail.com>
- 14) Re: Antenna Juice?
by =?iso-8859-1?Q?Andr=E9_Guibert?= <aguibert@sympatico.ca>
- 15) Antenna Juice
by CEMILTON@aol.com
- 16) Canntenna Elixer
by Arden Allen <gumbear@pacbell.net>
- 17) RE: Looking for NOS paper caps
by "Shriver, John" <john.shriver@intel.com>
- 18) BA Clutter FS

- by Merz Donald S <merz.ds@mellon.com>
19) ADMINISTRIVIA: Changing Email Addresses
by listown@jackatak.theporch.com (Mail List Owner)
20) UHF Signal Generator Question
by GeorgeHumphrey <gah@koyote.com>
21) SX-110 ADVENTURES
by JOHN.SEHRING@ecunet.org
22) Re: SX-110 ADVENTURES
by Arden Allen <gumbear@pacbell.net>
23) YO-100 455kc IF
by Robert Lawson <w4rl@bellsouth.net>
24) RE: Looking for NOS paper caps
by polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)

Date: Sun, 16 Jul 2000 10:32:11 -0700
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: Looking for NOS paper caps
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0FXS00ACYWOWEJ@mta5.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi Jack;

Please pardon me while I split a hair:

> I did what Hank pointed out in his above post -- added a resistor etc to
> the cap and the thing went away.

Did you actually put a resistor in series with the cap?

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Message-ID: <3971F657.40A5A06A@bw.webex.net>
Date: Sun, 16 Jul 2000 13:52:23 -0400
From: Al Klase <skywaves@bw.webex.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Cantenna Juice?
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Anchorites,

What is the prevailing wisdom on type of oil to fill a

Heathkit dummy load?

73,

Al

--

Al Klase - N3FRQ

skywaves@bw.webex.net

Flemington, NJ 08822

Web Page: <http://www.webex.net/~skywaves/home.htm>

From: Gary Woods <gwoods@albany.net>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: Antenna Juice?

Date: Sun, 16 Jul 2000 14:19:55 -0400

Message-ID: <vru3nsgajsguibrq4ajqc8j43e3v20cd2k@4ax.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

On Sun, 16 Jul 2000 13:52:23 -0400, you wrote:

>What is the prevailing wisdom on type of oil to fill a

>Heathkit dummy load?

Automatic transmission fluid has worked fine in mine for many, many years.

ISTR they recommended that as an alternative if you couldn't get that good

PCB-based transformer oil.

--

Gary Woods O- K2AHC Public keys at www.albany.net/~gwoods, or get 0x1D64A93D via
keyserver

gwoods@albany.net gwoods@wrgb.com

fingerprint = E2 6F 50 93 7B C7 F3 CA 1F 8B 3C C0 B0 28 68 0B

Message-ID: <397201F0.C1CBE3C6@attglobal.net>

Date: Sun, 16 Jul 2000 13:41:52 -0500

From: plmills@attglobal.net

MIME-Version: 1.0

To: Old Tube Radios <boatanchors@theporch.com>

Subject: FS -- R390 modules & tubes

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hello,

I still have more R390 stuff to get rid of. Please help.

qty (2) Tube sets, all NOS or JAN, tubes except less 26Z5's, 6082's, and ballast. \$43.50 each set includes priority mail postage.

qty (1) Tube set, NOS or JAN including 6082's, but less 26Z5's and ballast. \$60 includes priority mail postage.

PT0 Collins PT0 in working condition, \$50 includes priority mail postage.

PT0 Cosmos PT0 in working condition, \$60 includes priority mail postage.

qty (2) Audio decks less tubes. Working condition except for squelch. \$55 each includes postage.

qty (1) Audio deck with all tubes including 6082's, has burned 2 watt carbon resistor and needs a good cleaning. \$65 includes postage.

qty (1) IF deck, all tubes except ballast, presumed working but can not guarantee it. \$50 includes postage.

qty (1) Xtal oscillator deck, with tubes, presumed working but can not guarantee it. With trimmer cover that goes on rear panel, \$35 includes postage.

qty (1) Calibration oscillator, includes tubes, xtal, and oven. Not working....I think the multivibrator has gone nuts. \$25 includes postage.

qty (2) AC input filters. \$8.50 each includes postage.

I have several mainframe carcasses so if you need any odds and ends that are not included on a module, let me know and I'll see if I have it.

thanks, 73,
Phil
W5BVB

From: "Ed Sieb" <sieb@sympatico.ca>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Cantenna Juice?
Date: Sun, 16 Jul 2000 15:06:30 -0400

Message-ID: <LOBBJH0LOOHLIPLONIAFGEJKDAAA.sieb@sympatico.ca>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Al, and gang,

You can use very high quality mineral oil, or go visit any large, well established electrical contractor who deals in large commercial work. They install sub-station transformers and will surely have transformer oil available. Try your local electrical utility's maintenance department. Today, transformer oil DOES NOT contain PCB's. Some people have tried very thin, winter grade motor oil.

Cooking oil, olive oil, etc is not recommended, unless the cantenna is doing double-duty as a deep fryer, (how much power ARE you running?)

K-Y Jelly is definitely NOT recommended (it's water based).

Good luck,

Ed
VA3ES

Al Klase queried:

>
> What is the prevailing wisdom on type of oil to fill a
> Heathkit dummy load?
>
>
>

From: thompson@mindspring.com
Message-ID: <005e01bfe70\$d1da8d40\$691756d1@default>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Cantenna Juice?
Date: Sun, 16 Jul 2000 17:57:21 -0400

Radioshack.com (formerly Tech America) sells the proper oil for the Ameritron version of the Cantenna. That PCB based oil is frowned on by the EPA.
Dave K4JRB

>
> >What is the prevailing wisdom on type of oil to fill a
> >Heathkit dummy load?

>
> Automatic transmission fluid has worked fine in mine for many, many years.
> ISTR they recommended that as an alternative if you couldn't get that good
> PCB-based transformer oil.
>

Message-ID: <01BFEF51.FD095560.w1kszt@tiac.net>
From: "Richard W. Solomon" <w1kszt@tiac.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: WTD: Johnson Maroon Paint
Date: Sun, 16 Jul 2000 18:16:40 -0400

Can someone tell me a source for this paint ? I need to patch up a nice
Johnson 6N2 Converter I picked up today at MIT.

73, Dick, W1KSZ

Message-ID: <000e01bfef7a\$59b13ee0\$4815fea9@b1yhp64>
From: =?iso-8859-1?Q?Andr=E9_Guibert?= <aguibert@sympatico.ca>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Cantena Juice
Date: Sun, 16 Jul 2000 19:04:27 -0400
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----=_NextPart_000_000B_01BFEF58.A9E6D0E0"

This is a multi-part message in MIME format.

-----=_NextPart_000_000B_01BFEF58.A9E6D0E0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Bonjour to All
Used to supply the local Heath Store with VoltESS0 35 or =
GE10C.

=20
Would hate to use PCB's, its only good point is its high =
flamability point, you would have to
keep a tight lid on it to keep the smelly fumes from =
exhausting and leaving you with a
jellyed goowy mess.
=20
Andre

-----=_NextPart_000_000B_01BFEF58.A9E6D0E0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* * * * *
* ---REMAINDER OF MESSAGE TRUNCATED--- *
* This post contains a forbidden message format *
* (such as an attached file, a v-card, HTML formatting) *
* Mail Lists at theporch.com only accept PLAIN TEXT *
* If your postings display this message your mail program *
* is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *

-----=_NextPart_000_000B_01BFEF58.A9E6D0E0--

From: "Ed Sieb" <sieb@sympatico.ca>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Johnson Maroon Paint
Date: Sun, 16 Jul 2000 19:07:51 -0400
Message-ID: <LOBBJH0LOOHLIPLONIAFCEJMDAAA.sieb@sympatico.ca>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Johnson matching paints can be acquired at:

ALO'S
Radio Restoration
18 E. 10th Ave
Hutchinson, Ks 67501
1-800-372-4287 - orders only please
1-316-662-1370 - all other inquiries
<http://www2.southwind.net/~n0alo/>
n0alo@southwind.net

> -----Original Message-----

> From: Richard W. Solomon

> Sent: Sunday, July 16, 2000 6:17 PM

> To: Old Tube Radios

> Subject: WTD: Johnson Maroon Paint

>

>

> Can someone tell me a source for this paint ? I need to patch up a nice

> Johnson 6N2 Converter

Date: Sun, 16 Jul 2000 16:42:59 -0700 (MST)
From: billandr@aztec.asu.edu (BILL ANDREWS)
Subject: WHY JUICE A CANTENNA???
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <200007162342.QAA18744@aztec2.asu.edu>

Greetings

This is my first emial in several years to this esteemed group outside of a few for sale or wanted requests.

WHY JUICE A CANTENNA?

I have read several threads about the type and ecological impacts of PCB versus non PCB oils and mineral oils and lots of reasons why and why not.

A while back 10-15 years ago I noticed a ham friend always brought his empty dummy load to field day. Now Bob is one of those guys who has "Scientist" for a title on his business card. I have utmost respect for his thoughts and understanding of electronics and RF measurments. He is recently retired from Motorola RF Devices..... His thoughts were why run the risk of dumping oil all over his vehicle. After all, at least for Field Day we typically run 100 watt rigs. The reason for the Dummy load would be to primarily check coax links if something looked fishy while setting up the various stations. The amount of power and time applied to the dummy load would not hurt the load resistor during a testing process.

Bob has caused me to acquire an empty cantenna. I now have two. One empty and one full. The full one will be used when I wish to practice sending cw with a legal limit amplifier, hi hi. I have used the the empty one with no fear of cooking the resistor several time over the past few years.

My conclusion is: If you are testing high power amplifiers go through the trouble and expense of using what ever cooling oil you wish. If you frequently troubleshoot these high power

devices a good oil filled dummy load is cheap compared to other test equipment you are probably purchasing (Bird Watt meters, slugs etc). But for the run of the mill operators like me (since 1955) I feel an empty cantenna is adequate.....

Just me .02

Tnx es 73, Bill W8AKH Phoenix Az

--

p

From: WA1KBQ@aol.com
Message-ID: <66.596aeac.26a3ad2c@aol.com>
Date: Sun, 16 Jul 2000 20:28:28 EDT
Subject: Re: Looking for NOS paper caps
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I saw a while back where Triode Electronics was making new high quality wax paper capacitors with the old technology in cardboard tubes with wax sealed ends. These might be ideal replacements for the purists who are concerned about keeping some semblance of originality. Keeping original history intact becomes more important to some as these sets get older and good original examples are getting harder to find. What do you do if you become the proud new owner of a nice Breting 14 that hasn't been on in over 50 years? Do you put in all new orange ones underneath and throw away all that history forever just so you can hear it work again for a while? These are tough questions as we are the temporary caretakers of this history for future generations. I think the new Triode Electronics caps can be seen at:
www.triodeel.com/tricap.html

73, Greg Gore; WA1KBQ

Message-ID: <20000717011727.98767.qmail@hotmail.com>
From: "russ dworakowski" <wb3fau@hotmail.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: S-40-A

Date: Sun, 16 Jul 2000 21:17:27 EDT
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Bob, I did some work recently on a S-40B. Some caps, alignment no cosmetics.
Darn thing worked pretty good when I was all done- mind you this is no
Collins but
pretty sensitive for a relatively low priced rig. If it is complete and
restorable its worth at least \$50.
\$100 or more restored. These are BA prices not ----
prices. 73s Russ

>From: Bob Roehrig <broehrig@admin.aurora.edu>
>Reply-To: broehrig@admin.aurora.edu
>To: Old Tube Radios <boatanchors@theporch.com>
>Subject: S-40-A
>Date: Sat, 15 Jul 2000 21:36:15 -0500 (CDT)

>
>
>Can anyone tell me what the going price is for a S-40A receiver?

>
>
> "Nostalgia is a thing of the past"
> E-mail: broehrig@admin.aurora.edu or k9eui@arrl.net 73 de Bob, K9EUI
> CIS: Data / Telecom Aurora University, Aurora, IL
> 630-844-4898 Fax 630-844-4222
> PLEASE PUT ALL REPLIES IN ASCII TEXT ONLY
>

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

Message-ID: <20000717013152.55124.qmail@hotmail.com>
From: "russ dworakowski" <wb3fau@hotmail.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Cantenna Juice?
Date: Sun, 16 Jul 2000 21:31:52 EDT
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Al, you can get 'modern' transformer oil that is nonpcb.
This is better than the mineral oil as the recommended
alternative, which won't handle as much heat.

>From: Al Klase <skywaves@bw.webex.net>

>Reply-To: skywaves@bw.webex.net
>To: Old Tube Radios <boatanchors@theporch.com>
>Subject: Cantenna Juice?
>Date: Sun, 16 Jul 2000 13:52:23 -0400
>
>Anchorites,
>
> What is the prevailing wisdom on type of oil to fill a
>Heathkit dummy load?
>
>73,
>Al

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

Message-ID: <000401bfef93\$8a9deda0\$4815fea9@b1yhp64>
From: =?iso-8859-1?Q?Andr=E9_Guibert?= <aguibert@sympatico.ca>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Cantenna Juice?
Date: Sun, 16 Jul 2000 22:04:05 -0400
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bonsoir Russ and All
Had forgotten Silicone base oil such as RTemp.
You will have to laddle it at room temp., do not try it at low
temp., use a
 hacksaw instead.

----- Original Message -----

> Al, you can get 'modern' transformer oil that is nonpcb.
> This is better than the mineral oil as the recommended
> alternative, which won't handle as much heat.

From: CEMILTON@aol.com
Message-ID: <60.50dfc5f.26a3c84b@aol.com>
Date: Sun, 16 Jul 2000 22:24:11 EDT
Subject: Cantenna Juice
To: Old Tube Radios <boatanchors@theporch.com>

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

If the tune-up procedure is short duration, then just plain Mineral Oil works FB in the Cantenna. Bought mine from local drug store, and no problems. Cheap too!!!!

Longer durations would require a stiffer medium, and some of those mentioned already may be the answer.

I can tune (or experiment) with no problem and the mineral oil works FB.

Ur mileage may vary!

Gud luck es 73 de W4MIL

Chuck

Date: Sun, 16 Jul 2000 21:08:01 -0700
From: Arden Allen <gumbear@pacbell.net>
Subject: Canntenna Elixer
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0FXT0002QQ4YKL@mta5.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Motor oil. Synthetic for fanciers. Takes heat well. You know how to get rid of it!

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Message-ID: <392A357CE6FFD111AC3E00A0C99848B003694F51@hdsmsx31.hd.intel.com>
From: "Shriver, John" <john.shriver@intel.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Looking for NOS paper caps
Date: Mon, 17 Jul 2000 06:49:31 -0700
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I've been opening up the old paper tube wax caps for an RCA 9K console radio, and putting new tubular mylars inside. They don't look perfect afterwards, but they sure are better than gleaming plastic.

I also need to do this with a 1950's "ceramic tube" paper capacitor.

Old wax paper caps, even NOS, are only useful for museums, not for applying any electricity to them...

Message-ID: <20000717153302.2894.qmail@mellon.com>
From: Merz Donald S <merz.ds@mellon.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BA Clutter FS
Date: Mon, 17 Jul 2000 11:28:37 -0400
MIME-Version: 1.0
Content-Type: text/plain

FOR SALE: The following items of clutter from my shack.

Telegraph sounder. Typical old brass sounder with 2 coils on a wooden base. Big brass

binding posts for connections with "4 Ohms" etched in the wood between them. But no

other markings. Dirty but should clean up to look excellent. \$29 PPD

RCA Guide to Transmitting Tubes. Classic 1941 8-1/2" x 11" photo guide to then current

RCA TX tube lineup. With specs and circuits. 72 pages. An indispensable BA reference.

This one has covers that are beat up with chips and cracks, and taped together at the

spine. But it is otherwise nice and completely usable. \$13 PPD

Globe 6PMC 6-meter converter. I have no details on this little mini-box-sized converter.

It uses one 6U8 tube and one 6BQ7 tube. It seems to be in great shape inside and

out but I haven't tested it. Connections for antenna and power input plus signal output.

No controls. As-is. \$15 PPD

Dynaco Stereo 120A solid state audio power amplifier. In very nice shape. \$75

General Radio Decade Resistor Model 1432N. Covers 0-11,110.1 ohms with the following

switch steps: 1/10, 1, 10, 100, 1000. Nice cosmetic shape and working perfectly. \$10

Shallcross Resistance Box--Decade Resistor. 0.03% accuracy. Covers

-999.99 ohms with
the following switch steps: .01, .1, 1, 10, 100. Good shape and
working more accurately
than any of my test instruments. \$15

Kenwood TS-700A 2 Meter all-mode transceiver. Runs on 115VAC or 12VDC.
This is in
nice looking and working shape. But the VFO is scratchy when being
tuned. The original
carry-handle is missing. With AC cord (no DC cord), original
microphone and original
manual. \$160

Hickok 470A VTVM. Looks good. With original probe. Not working
correctly. Sometimes it
works and sometimes it doesn't. Nice big analog meter. \$10

Message-Id: <200007171615.e6HGF1D19122@jackatak.theporch.com>
From: listown@jackatak.theporch.com (Mail List Owner)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: ADMINISTRIVIA: Changing Email Addresses
Date: Mon, 17 Jul 2000 11:15:00 CDT

Gang-

This periodic post is intended to help subscribers whose email
address has changed, preventing posting or receipt of the list.

If you change ISP (InterNet Service Provider), simply send me an
email advising the change, and I will do my best to implement the
change quickly.

For those unfortunates, whose ISP has made a change without advising
their customers of the potential impact of that change on
subscribers to email lists like the boatanchors, where one must
be a subscriber to post to the list, try to follow along...

Under some circumstances, the changes to your email address are
"transparent" to you, but prevent posting. I get error notification
for these kinds of problems, and I try to work them out. However,
I may miss one, and on this end, the process is anything BUT
automatic.

You have a bigger stick than I do. You and your ISP have the primary
responsibility to repair the problems caused by the change at the
ISP. I have zero leverage with your ISP, and you have great leverage.

Most ISP maintain a customer service department to help with problems like these. This should be your first line of support for email problems. I am happy to assist and consult, but try to understand that when your ISP makes a change to their email handler, and that change prevents you from posting to the boatanchors list, I can help, but resolving this problem is your responsibility, working with your ISP. I am but a volunteer, contributing my time to administer the list.

Thank you for your attention.

--

73

Jack, W4KH/Mobile - - - BoatAnchor Mailing List Archiver/Owner - - -
listown@jackatak.theporch.com - "Plus ca change, plus c'est la meme chose"
"Il n'y a que les idiots qui ne changent jamais d'idee"
Mon Jul 17 11:15:00 CDT 2000

Message-Id: <3.0.6.32.20000717135130.00871100@mail.koyote.com>
Date: Mon, 17 Jul 2000 13:51:30 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: GeorgeHumphrey <gah@koyote.com>
Subject: UHF Signal Generator Question
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi BAers,

I recently picked up a UHF signal generator made by HP, model 616B. Does anyone have manuals or information on this generator? Looks like a good piece of rack mounted equipment.

73 George KC5WBV

Date: Mon, 17 Jul 2000 15:44:40 -0400 (EDT)
Message-Id: <200007171944.e6HJie429074@ecunet.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: SX-110 ADVENTURES
From: JOHN.SEHRING@ecunet.org

To: boatanchors@theporch.com

You may not find a fix for the pulling of HF osc with AGC (or signal strength w/AGC off). Halli had some problems with this.

On the SX-96 & -100, the pulling is caused by the change in cathode current to mixer with AGC (or sig strength). The HF osc is cathode injected so some or all of that current runs thru it. The problem is only apparent

about about 25 MHz. I have not been able to fix it. Will try an extra triode to get some osc:mixer isolation.

BTW, these radios are double conversion, 1650 & 50 kHz IF's. Otherwise, I find these are very nice radios (sensitive & selective, about the best you can do with non-R390-type LC IF filtering) and great on SSB/CW with SX-101A product detector & simple AGC ct mods installed. Only real lack is touchy mechanical stability on SSB on higher freqs but firm surface & light hand take care of that pretty much.

They are a definite step up from SX-110, electricially & mechanically but of course cost more when new.

-John Sehring (Sun, Jul 16, 2000, Ipswich SD) UCC WB0EQ

Date: Mon, 17 Jul 2000 14:31:40 -0700
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: SX-110 ADVENTURES
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0FXV00HXE2IVV3@mta6.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi John;

> You may not find a fix for the pulling of HF osc with AGC (or signal
> strength w/AGC off). Halli had some problems with this.

I believe you. I tried using a stiff source for the 6SA7 (self excited converter) screen grid on my SX-110. That is only effective for line voltage variations. Although AGC is not applied to the 6SA7 there is frequency pulling discernable on all bands with change in signal strength. No doubt this is the same effect as when using self excitation with my 6SA7 product detector which caused me to use a separate buffered oscillator. I changed the 6SA7 from the original Hallicrafters labeled tube (probably a GE?) to an RCA made tube. The frequency pulling was less evident making SSB reception better. I'm thinking the actual degree of isolation between oscillator and mixer of a pentagrid converter is dependent on quality control as well as design. Only a statistical study of many tubes could give the correct answer.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Message-ID: <39737BCD.674940E3@bellsouth.net>
Date: Mon, 17 Jul 2000 17:34:06 -0400

From: Robert Lawson <w4rl@bellsouth.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: YO-100 455kc IF
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Fellow BA'ers,

I am in need of the two variable (slug tuned/canned) inductors used in the 455kc IF version of the YAESU YO-100 monitor scope. Yaesu does not have them, nor could the tech rep help me with the inductance values. I have the Yaesu conversion pamphlet, but it does not give the values of the two inductors in the L/C circuits. Just knowing the range of inductance would get me started. If you have a YO-100 455kc variety, consider yourself fortunate. Mine is set up for Yaesu gear, the standard stock model.

tnx es 73 de robert w4rl pensacola fl

Date: Mon, 17 Jul 2000 18:43:55 -0400
From: polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)
Message-Id: <200007172243.SAA13252@aa4rm.ba-watch.org.>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: boatanchors@theporch.com
Subject: RE: Looking for NOS paper caps

>Old wax paper caps, even NOS, are only useful for museums....

John that's extreme.

Lessay the worst of worst .1 @ 200V cathode bypass has 1meg leakage.
What's that across 300 ohm cathode R?

Or take a 100V screen @ 5ma. Load is 2K. Take that 1 meg leaker again.
I used a huge public domain FORTRAN program to compute that's .5% of load

These cannot be noticed by tube ckt.s

And the tube ckt.s were meant to take huge component variations at build time

Orange Dropping a radio in any areas beyond audio interstage* & AVC is usually just plain unnecessary

The term auto eroticism comes to mind too.

I HATE TO USE THE ELABORATE MATHEMATICS OF AN OHMS LAWYER, BUT THE

DEVIL MADE ME DOIT.

Marty

* d'ya 'spose there's audiophiles among us who notice a timbre differential in the middle registers with certain "old waxies" & we're being tricked to turn in our holdings to serve these interests?

like soupy sales asking kids to loot their dad's pockets of the dirty green paper & mail it to him to promote hygiene.

PS John... I'm typing this on a computer that says SPARC RISC inside.
Nanny nanny boo boo wintel - uptime utility shows 159 days
w/o a blue meanie.

End of BOATANCHORS Digest 2949
